

## GUANAMINE; COMPOUND; PHOTO; ACID; GENERATOR

Derwent Class: A26; A85; G02; L03; P81; P84; W03; W04

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International Patent Class (Additional): C08F-002/50; C08F-291/06;

C08G-073/10; C08K-005/3417; C08K-005/3477; C09D-004/00; G02B-005/20;

G03F-007/004; G03F-007/038

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Resin compsn. for protecting colour filters - comprises  
 copolymer of alicyclic polyepoxide poly(meth)acrylate and ethylenically  
 unsatd. cpd., photopolymerisation initiator and organic solvent

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4236212	A	19920825	JP 9115639	A	19910117	199240 B
JP 2921770	B2	19990719	JP 9115639	A	19910117	199934

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4236212	A		6	C08F-220/32	
JP 2921770	B2		6	G02B-005/20	Previous Publ. patent JP 4236212

Abstract (Basic): JP 4236212 A

Compsn. comprises (A) a polymer of a cpd. of formula (I) (where R is H or CH<sub>3</sub>) and an ethylenically unsatd. gp.-contg. cpd. and having an epoxy equiv. 200 - 300, (B) a photo-polymerisation initiator and e.g. (C) an organic solvent.

(A) is e.g. AETHB where R = H or METHB where R = CH<sub>3</sub>, each available from DAIL. The copolymerisable monomer is e.g. ethyl-, methyl-, or butyl (meth)acrylate, styrene, 2-hydroxyethylvinyl ether, (meth)acrylate acid, 2-hydroxyethyl (meth)acrylate or a monomer of formula (i)-(iv) (A) is prep. by copolymerising the monomers in the presence of a polymerisation initiator (e.g. azobisisobutyronitrile, benzoyl peroxide, etc.) in a solvent (e.g. toluene, methylethyl ketone,

ethyl acetate, ethyl cellulose, etc.). (B) is benzolin, benzoin alkyl ether (e.g. benzolin methyl ether, etc.), acetophenone, 2,2-dimethoxy-2-phenylacetophenone, anthraquinone, thioxanthione, benzyldimethyl ketal, 2-hydroxycyclohexylphenyl ketone, benzophenone, etc..

USE/ADVANTAGE - The resin compsn. provides fine pattern. Its hardened film shows lesser colouration by its exposure to higher temp. and high adhesion. It is used as protecting film for colour filters of colours video camera, liq. crystal colour television, etc..

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Title Terms: RESIN; COMPOSITION; PROTECT; COLOUR; FILTER; COMPRISE;  
COPOLYMER; ALICYCLIC; POLYEPOXIDE; METHO; POLYACRYLATE; ETHYLENIC;  
UNSATURATED; COMPOUND; PHOTOPOLYMERISE; INITIATE; ORGANIC;  
POLYSOLVENT

Index Terms/Additional Words: METHACRYLATE

Derwent Class: A14; A21; A89; G02; P81

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